

Receiving Report

Date: 14-8-15

Batch No: 130113

Supplier: B/E

Dart P/O: 25290

Packing Slip: Yes ☒ No ☐
 Invoice: Yes ☒ No ☐
 Receipt: Cash ☐ Cr ☒
 New Supplier Yes ☐ No ☒

Release Note Attached: Yes ☒ No ☐ N/A ☐
 Waybill Attached: Yes ☒ No ☐
 Shipment Complete: Yes ☒ No ☐ N/A ☐
 QC18 Inspection ☐ N/A ☐
 Work Order ☐ N/A ☐

Discrepancies

Part Number	Description	Quantity Ordered	Quantity Rec'd	Quantity Short	Quantity Inspected	Quantity Rejected	Comment / NCR Number

Initials of Receiver

QC12

SP

Production/Admin:

Date

Received/Costing

Initial

Location



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PO REPRINT

Purchase Order ID P025290

Purchase Order Date 8/5/2014

PO Print Date 8/5/2014

Page Number 1 of 2

Order From :
B/E AEROSPACE/LIGHTING SYSTEMS
355 KNICKERBOCKER AVE.
BOHEMIA, NEW YORK 11716

VU-BE001

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name
Vendor Phone 631-563-6400 Ext6123

Ship To Contact
Ship To Phone

Ship Via FedEx Overnight collect
Ship Acct

Buyer Michael Gregoire
Customer POID
Customer Tax # 10127-2607
Terms Net 30
Currency USD
FOB EXW - (Ex Works)

Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable Promise Date	CD	Req. Qty/ Unit of Measure	PO Unit Price	Extended Price
1	BLC4RA10S SO117681	Pip Pin	8/20/2014 Yes 8/20/2014		2.00 Each	\$37.60	\$75.2
						Line Total:	\$75.2
2	MS27039-0808	SCREW	8/5/2014 Yes 8/6/2014		200.00 Each	\$0.10	\$20.0
						Line Total:	\$20.0

SP14-8-15

PO Instructions: Fedex Acc#151793240

Note:

8/5/2014



B/E Aerospace, Inc.

Page: 1 of 1

CONSUMABLES MANAGEMENT

P.O. Box 025263, Miami, FL 33102-5263 • Tel: 305.925.2600 • Fax: 305.507.7191
Plant Location: 10000 N.W. 15th Terrace, Miami, FL 33172 • SITA: MIAMMCR
www.beconsumables.com

Shipped From: 10000 NW 15 TERRACE, MIAMI, FL 33172


Material Certification

The items set forth on the purchase order referred to below have been visually inspected and the dimensions thereof have been measured by us, and based on the aforesaid, as well as the representation made to us by the manufacturers of the items subject of such purchase order, we hereby certify that such items are in conformity with all current governmental and manufacturer's requirements, specifications, drawings, and conform to the purchase order requirements. Said items are in new condition and have not been obtained from any U.S. Government or Military source and are traceable to B/E Aerospace, Inc.

FIRM: DART AEROSPACE LTD

PURCHASE ORDER#: PO25290

LNE#	QUANTITY	U/M	PART-NUMBER	CUST REF#	LOT-NUMBER	MANUFACTURER	CCODE	MFR DATE	EXP DATE
2	200	EA	MS27039-0808		69364	MAC FASTENERS	ORFT4		


Jason Lewis
Vice President of Quality

08/13/14

Inv # 08/13/14

MAC FASTENERS, INC.
1110 ENTERPRISE
OTTAWA, KANSAS 66067

**CERTIFICATE OF CONFORMANCE
AND
MANUFACTURER'S AFFIDAVIT**

CUSTOMER: B/E AEROSPACE

PO: 0RZT23

PART NUMBER: MS27039-08-08

REV: 4

LOT NUMBER: 69364

MANUFACTURED QUANTITY: 150,000

MILL HEAT NUMBER: 10004690

COUNTRY OF ORIGIN: UNITED STATES OF AMERICA

DFARS 252.225.7009 Compliant

MERCURY FREE CERTIFICATION

MacFasteners certifies that the parts referenced in the above lot number
do not contain Mercury or Mercury compounds, and were
manufactured in a Mercury free environment.

We certify that the parts furnished against the above referenced purchase order were manufactured by MAC FASTENERS within the United States, and were processed in accordance with all applicable drawings and specifications. Objective evidence of compliance is on file, subject to examination upon request.

Mac Fasteners is an AS9100C Registered Company - SAI GLOBAL - 0058029
Mac Fasteners is a DISC QSLM approved Manufacturer - CAGE Code 0RFT4
Mac Fasteners is an Airbus approved Supplier - 203399

DATE: 07/01/14


QUALITY ASSURANCE REPRESENTATIVE

MAC FASTENERS, INC.
1110 EAST ENTERPRISE
OTTAWA, KS 66067

CHEMICAL & PHYSICAL TEST REPORT

CUSTOMER B/E AEROSPACE	PO NUMBER 0RZT23	MFG QUANTITY 150,000	DATE 07/01/14
PART NUMBER MS27039-08-08	REV 4	LOT NO 69364	PROCUREMENT SPEC NASM7839

MATERIAL				MATERIAL SPECIFICATION				MILL HEAT NUMBER			SUPPLIER		
TYPE 8740				MIL-S-6049/AMS6322				10004690			WIRE TECH		
C	Si	Mn	P	S	Cu	Ni	Cr	Mo	V	B	Fe	Al	Ti
.41	.26	.94	.01	.013	.21	.4	.41	.21	.001	.0003		.026	.002
	Co	N .006	Bi	Pb	Mg	Zn		Nb .001	Sn .01			Other	

MECHANICAL TEST RESULTS - TESTING PER NASM1312

ULTIMATE TENSILE STRENGTH POUNDS	
2,190	2,210
2,270	2,200
2,280	2,190
2,190	2,200
2,230	2,180
2,240	
2,260	
2,180	
MIN. REQ.	1,750

DOUBLE SHEAR STRENGTH POUNDS / PSI
TOO SHORT TO TEST PER NASM1312-13
MIN. REQ.

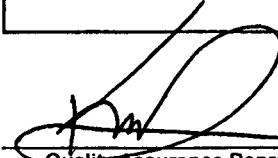
HARDNESS
ROCKWELL "C" SCALE
REQ. 26 - 32 HRC
SAMPLE SIZE 13
ACTUAL RESULTS 29 - 31 HRC

METALLURGICAL EXAMINATION			
Discontinuities	<input checked="" type="checkbox"/>	Carb/Decarb	<input checked="" type="checkbox"/>
Grain Flow	<input checked="" type="checkbox"/>	Microstructure	<input checked="" type="checkbox"/>
Grain Size	<input checked="" type="checkbox"/>	Appearance	<input checked="" type="checkbox"/>
Thread Inspection FED-STD-H28/20 - ASME B1.3	System 21 <input type="checkbox"/>	System 22 <input checked="" type="checkbox"/>	System 23 <input type="checkbox"/>

NDT/ ADDITIONAL TESTS
Magnetic Particle Inspection per ASTM E1444 <input type="checkbox"/>
Liquid Penetrant Inspection per ASTM E1417 <input type="checkbox"/>
Recess Torque Test <input type="checkbox"/>
Head Marking <input checked="" type="checkbox"/>
Magnetic Permeability ASTM A342 less than 2.0 <input type="checkbox"/>

TEST CERTIFICATION

WE CERTIFY THAT THE PART NUMBER, LOT NUMBER, AND SAMPLES REFERENCED ABOVE HAVE BEEN TESTED IN ACCORDANCE WITH THE APPLICABLE SPECIFICATION FOR THE TESTS REPORTED HEREIN. THIS CERTIFICATION SHALL NOT BE REPRODUCED, EXCEPT IN FULL, WITHOUT THE APPROVAL OF MAC FASTENERS, INC.


 Quality Assurance Representative

AS9100C REGISTERED
SAI GLOBAL - 0058029

MAC FASTENERS, INC.
1110 ENTERPRISE
OTTAWA, KANSAS 66067

HEAT TREAT CERTIFICATION

CUSTOMER: B/E AEROSPACE

DATE: 07/01/14

PO NUMBER: 0RZT23

MANUFACTURED QUANTITY: 150,000

PROCESSOR:

PAULO PRODUCTS KCMO - NADCAP ID 4679

LOT NUMBER: 69364

MATERIAL: TYPE 8740

PART NUMBER: MS27039-08-08

REVISION: 4

REQUIRED HARDNESS: 26 - 32 HRC

SAMPLE SIZE: 13

HARDNESS: 29 - 31 HRC

HEAT TREAT SPECIFICATION AS APPLICABLE: MIL-H-6875/AMS-H-6875/AMS2759/AMS5853/PS-1001

Notes:

The fasteners referenced in this report have been processed, inspected and certified by the Heat Treat Contractor in accordance with all applicable drawings and specifications. Heat Treatment has been verified in accordance with procurement specification and part drawing, by metallurgical and mechanical testing as applicable. Evidence of compliance as well as certification from the Heat Treat Contractor is on file and subject to examination upon request.



QUALITY ASSURANCE REPRESENTATIVE

MacFasteners, Inc. is an AS9100C Registered Company - SAI GLOBAL - 0058029

DE TRAY

Plating Works

Specialized Electro-Plating and Polishing

Nickel

Copper

Decorative Chrome

Satin Chrome

Zinc

Cadmium

Passivate

Bright Dip

Strip Copper

Descale

10405 EAST ELEVENTH STREET • INDEPENDENCE, MISSOURI 64052
Phone (816) 252-8411 Fax (816) 252-8527 • E-mail : DeTrayPlating@Aol.com

June 30, 2014

Mac Fasteners
1110 East Enterprise Street
Ottawa, Kansas 66067

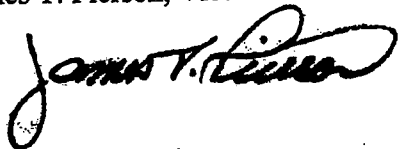
Subject: Certification

This is to certify that the following parts have been cadmium plated per QQ-P416/AMS-QQ-P-416/NAS4160/AMS2400, Type II, Class 2. Please reference our Invoice# 180850 dated 6/30/2014 for:

Lot#- 69364

P.N.- MS27039-08-08

James T. Pierson, Vice-President



DE TRAY PLATING WORKS



WireTech, Inc.

6440 E. Canning Street
Los Angeles, CA 90040
Phone (323) 722-4933
Fax (323) 721-2738

SOLD TO

Mac Fasteners
1110 Enterprise Street
Ottawa, KS 66067
USA

WORK ORDER
070279

CERTIFICATION

HEAT NO.
10004690
SALES ORDER / RLS
831293 / 3
ISO 9001-2000 REGISTERED



MECHANICAL TESTING
CERT # 911.01

CUSTOMER P.O. 43903	CUSTOMER PART 8740-.161	QUANTITY 6,153 Lbs	CARRIERS 4	LADING NO 00081165	SHIPMENT DATE 12/22/2009
SPECIFICATION M048740-101610A A-8740, AQ, SKFG, CHQ WIRE, SAIP Zinc Phosphate, Lime & Stearate Coating, Size:0.1605/0.1615 Specifications: AMS2301H, AMS6322N, MIL-S-6049A, AMEND. 1, AMS-S-6049-A					
CERTIFICATION REQUIREMENTS					
Chemical Properties					
C .41	Si .26	Mn .94	P .01	S .013	Cu .21
				Ni .40	Cr .41
					Mo .21
Physical Properties					
Grain Size	Jominy 1	Jominy 2	Jominy 3	Inclusions Macro	Cleanliness Mill Source
6	J5=55	J8=48	J10=42	S2-R1-C2 GOOD	F&S=0 Charter
Country of Origin USA - DFAR Compliant					
Mechanical Properties					
TEST	UNITS	Results			
Tensile Strength	KSI	88.2			
Yield Strength	KSI	74.9			
% Elongation	%	18			
% Reduction of Area	%	74.7			
Rockwell Hardness B Scale	HRB (s)	89			
<p>Merchandise covered by this invoice is warranted to be free from defects in workmanship or material but not for any specific length of time, type or measure of service. No claim for allowance will be recognized unless presented in writing within 10 days time after receipt of material. Our maximum liability for any claim predicated upon defective merchandises is limited to replacement of it, or to repayment of it, or to repayment of the purchase price thereof, as we elect. Material cut to specific length or size cannot be returned for credit and request for cancellation of such orders will not be considered if manufacture has been commenced. Buyer, by acceptance of the merchandise covered by this invoice, agrees to the foregoing terms and conditions and those set forth on the reverse hereof. "The recording of false, fictitious or fraudulent statements or entries on this document may be punished as a felony under Federal statutes including Federal law, Title 18, Chapter 47."</p> <p>REPRODUCTION OF THIS CERTIFICATION IS NOT ALLOWED UNLESS IN FULL.</p> <p>Wire Tech, Inc. metallurgical laboratory is accredited in the following test: chemical analysis per ASTM E 415, mechanical testing per ASTM A 370, Rockwell hardness per ASTM E 18, metallographic mount preparation per ASTM E 3, decarburization depth per ASTM E 1077, IFI 140, inclusion rating per ASTM E 45, decarburization performed as per IFI 140.</p> <p>The reported Chemical and Physical Properties are Melt Source results. Transcribed from mill certificates. HRB(W) are hardness results performed with a 1/16" carbide ball. Unless otherwise specified, HRB and HRC results are conversions from ASTM A370 tables 1 and 2. *Test result not covered by our current A2LA accreditation. Tests which have been undertaken by a subcontractor laboratory that is not accredited are not endorsed by A2LA or covered by Wire Tech, Inc. A2LA accreditation.</p> <p>TEST RESULTS RELATE ONLY TO THE ITEMS TESTED.</p> <p>"LATEST REVISIONS OF ASTM"</p>					
Material is free of mercury, radium, or alpha contamination.					

W04 10279



CHARTER STEEL

EMAIL

1658 Cold Springs Road
Saukville, Wisconsin 53080

(262) 268-2400

1-800-437-8789

FAX (262) 268-2570

A Division of
Charter Manufacturing Company, Inc.

CHARTER STEEL TEST REPORT

Reverse Has Text And Codes

Wiretech Incorporated
6440 East Canning Street
Los Angeles, CA-90040
Kind Attn :Cert To Contact

Cust P.O.	6349-4
Customer Part #	8740C1A060-C-R
Charter Sales Order	292569001
Heat #	10004690
Ship Lot #	576880
Grade	8740 R SK FG AQ 1/4
Process	HRSA
Finish Size	1/4

I hereby certify that the material described herein has been manufactured in accordance with the specifications and standards listed below and on the reverse side, and that it satisfies these requirements.

Test Results of Heat Lot# 10004690												
Lab Code: 7388	C	MN	P	S	SI	NI	CR	MO	CU	SN	V	
CHEM												
%Wt	.41	.94	.01	.013	.26	.4	.41	.21	.21	.01	.001	
	AL	N	B	TI	NB							
	.026	.006	.0003	.002	.001							
CHEM. DEVIATION EXT.-GREEN N/R =												
JOMINY(HRC)	JOM01	JOM02	JOM03	JOM04	JOM05	JOM06	JOM07	JOM08	JOM09	JOM10	JOM11	JOM12
	59	57	57	56	55	52	50	48	45	42	40	38
	JOM13	JOM14	JOM15	JOM16	JOM18	JOM20	JOM22	JOM24	JOM26	JOM28	JOM30	JOM32
	38	36	36	35	34	33	32	31	30	30	30	30

JOMINY SAMPLE TYPE ENGLISH = B JOMINY LAB = 0358-01

Test Results of Rolling Lot# 419680							
REDUCTION RATIO = 616:1							
Test Results of Processing Lot# 576735,576880							
	# of Tests	Min Value	Max Value	Mean Value			
TENSILE	2	85.8	86.4	86.1	TENSILE LAB = 0358-02		
REDUCTION OF AREA	2	56	59	57	RA LAB = 0358-02		
ROCKWELL B	2	79	80	79	RB LAB = 0358-02		

NUM DECARB = 4 FREE FERRITE DECARB = 0 FREE FERR & PARTIAL DECARB = .001
CP SPHERO % LAB = 0358-02 NUM SPHERO = 4 SPHERODIZATION = 80

Specifications: Manufactured per Charter Steel Quality Manual Rev 8,12-05-07
Meets customer specifications with any applicable Charter Steel exceptions for the following customer documents:
Customer Document = COP 3010 Revision = M Dated = 12-MAR-03

Additional Comments: MEETS REQUIREMENTS OF SPECIFICATIONS AMS6322N/AMS2301J/MIL-S-6049A

Charter Steel
Saukville, WI, USA



Page 1 of 1

Janice Barnard
Janice Barnard
Manager of Quality Assurance
06/12/2009

Rem: Load1,Fax0,Mail0



B/E Aerospace, Inc.

Page: 1 of 1

CONSUMABLES MANAGEMENT

P.O. Box 025263, Miami, FL 33102-5263 • Tel: 305.925.2600 • Fax: 305.507.7191
Plant Location: 10000 N.W. 15th Terrace, Miami, FL 33172 • SITA: MIAMMCR
www.beconsumables.com

Shipped From: 10000 NW 15 TERRACE, MIAMI, FL 33172


Material Certification

The items set forth on the purchase order referred to below have been visually inspected and the dimensions thereof have been measured by us, and based on the aforesaid, as well as the representation made to us by the manufacturers of the items subject of such purchase order, we hereby certify that such items are in conformity with all current governmental and manufacturer's requirements, specifications, drawings, and conform to the purchase order requirements. Said items are in new condition and have not been obtained from any U.S. Government or Military source and are traceable to B/E Aerospace, Inc.

FIRM: DART AEROSPACE LTD

PURCHASE ORDER#: PO25290

LINE#	QUANTITY	U/M	PART-NUMBER	CUST REF#	LOT-NUMBER	MANUFACTURER	CCODE	MFR DATE	EXP DATE
1	2	EA	BLC4RA108		1434827	AVIBANK MFG.	84256		


Jason Lewis
Vice President of Quality

08/13/14

DEARS ** CERT Q13-P **



AVBANK

AEROSTRUCTURES DIVISION, A PCC COMPANY

11500 SHERMAN WAY • NORTH HOLLYWOOD, CA 91605

PHONE: (818) 392-2100 • FAX: (818) 255-2094

No ozone depleting substances used in processes.

PACKING SLIP

SHIPPER

DATE SHIPPED
04/25/14

PAGE 1 OF 1 DATE ENTERED 04/21/14 SALES ORDER NO. 702978-3586

B 103866
I B/E AEROSPACE, INC.
L 10000 N.W. 15TH TERRACE
L
T MIAMI, FL
O USA 33172

S B/E AEROSPACE CONSUMABLE MGMNT
H 9835 NW 14TH ST
I
P
T MIAMI, FL
O USA 33172

CUSTOMER ORDER NO.		CONTRACT NUMBER		RATING		ORDERED BY		REC'D BY		TERRITORY NO.	
0XJB88						JANET ZA		GWL		124	
SHIPMENT		QUANTITY		DATE OF ORDER		DATE OF SHIPMENT		DATE OF RECEIPT		DATE OF INVOICE	
0 1 1 3		N N R				NET 30		NCHO/COLLECT			
SHIPPED VIA FEDEX GROUND											
ITEM NO.	NO. SHIPPED	UNITS	PART NUMBER / DESCRIPTION				NO. BACKORDERED				
1	100	E	FEDEX ACCT# 0331-0149-0 *** 3 LOT MAX *** DFAR252.225-7009 BAR CODE SHIPPING LABELS QAP 33 A, A.1, B, C, E, H, P, U, V BLC4RA10S MS17987C410 SHIP#: 1 QTY : 100 LOT:1434827 AREA : AISLE : SEC:				0	DUE : SHELF			
1.	1	E	270-CERT Q13-P CHEM & PHYS CERTS 1 SHIP#: 1 QTY : 1 LOT: AREA : AISLE : SEC:				0	DUE : SHELF			
PULLED BY SHIPPED BY SHIP DATE OF SHIPMENT WAYBILL/OTHER INFO NO. OF PKGS. WEIGHT											

NOTICE - IF INVOICE IS NOT RECEIVED WITHIN 10 DAYS OF SHIPMENT, PLEASE NOTIFY US IMMEDIATELY.
ANY CLAIM SHORTAGES OR ADJUSTMENTS MUST BE MADE WITHIN 10 DAYS FROM RECEIPT OF GOODS. *WE HEREBY CERTIFY THAT THESE GOODS WERE PRODUCED IN COMPLIANCE WITH ALL APPLICABLE REQUIREMENTS OF SECTIONS 6, 7, & 12 OF THE FAIR LABOR STANDARDS ACT, AS AMENDED, AND OF REGULATIONS AND ORDERS OF THE UNITED STATES DEPARTMENT OF LABOR ISSUED UNDER SECTION 14 THEREOF.*
NO OZONE DEPLETING SUBSTANCES USED IN PROCESSES. PARTS ARE MERCURY FREE OF CONTAMINATION.
WI-14-AMS-004 REV:NC

** DEARS ** ** CERT Q13-P **



AVIBANK
MFG. INC.

AEROSTRUCTURES DIVISION, A PCC COMPANY

11500 SHERMAN WAY • NORTH HOLLYWOOD, CA 91605

PHONE: (818) 392-2100 • FAX: (818) 255-2094

No ozone depleting substances used in processes.

PACKING SLIP

SHIPPER

DATE SHIPPED
04/25/14

PAGE 1 OF 2 DATE ENTERED 04/23/14 SALES ORDER NO. 702978-3586

B 103866
I B/E AEROSPACE, INC.
L 10000 N.W. 15TH TERRACE
L

T MIAMI, FL
O USA

33172

S B/E AEROSPACE CONSUMABLE MGMNT
H 9835 NW 14TH ST
I
P

T MIAMI, FL
O USA

33172

CUSTOMER ORDER NO.		CONTRACT NUMBER		RATING		ORDERED BY		REC'D BY		TERMINAL NO.	
0XJB88						JANETZA		GWE		124	
P/S	CHRG	INVT	OO INV	PROD REC	SCALE	VAR	TYPE OF INSPECTION		TERMS	FREIGHT	
0	1	3	N	N	R				NET 30	NGHO/COLLECT	
SHIPPED VIA											
FEDEX GROUND											

ITEM NO.	NO. SHIPPED	UNITS	PART NUMBER / DESCRIPTION	NO. BACKORDERED
			<p>TO OUR VALUED CUSTOMERS A RETURN MATERIAL AUTHORIZATION (RMA) NUMBER IS REQUIRED FOR ALL PRODUCTS RETURNED TO AVIBANK. TO REQUEST A RMA NUMBER CONTACT YOUR AVIBANK SALES ASSOCIATE AT 818/392-2100</p> <p>THESE COMMODITIES WERE EXPORTED FROM AVIBANK MFG., INC. IN ACCORDANCE WITH EXPORT ADMINISTRATION REGULATIONS OR INTERNATIONAL TRAFFIC IN ARMS REGULATIONS. DIVERSION CONTRARY TO U.S. LAW IS PROHIBITED. COMPLIANT WITH DFARS 252.225.7014 ALT 1</p>	
<p>PULLED BY: SHIPPED BY: SHIP VIA: DATE SHIPPED: WAYBILL/OTHER INFO: NO. OF PKGS: WEIGHT:</p>				

NOTICE - IF INVOICE IS NOT RECEIVED WITHIN 10 DAYS OF SHIPMENT, PLEASE NOTIFY US IMMEDIATELY.
ANY CLAIM SHORTAGES OR ADJUSTMENTS MUST BE MADE WITHIN 10 DAYS FROM RECEIPT OF GOODS. "WE HEREBY CERTIFY THAT THESE GOODS WERE PRODUCED IN COMPLIANCE WITH ALL APPLICABLE REQUIREMENTS OF SECTIONS 6, 7, & 12 OF THE FAIR LABOR STANDARDS ACT, AS AMENDED, AND OF REGULATIONS AND ORDERS OF THE UNITED STATES DEPARTMENT OF LABOR ISSUED UNDER SECTION 14 THEREOF." NO OZONE DEPLETING SUBSTANCES USED IN PROCESSES. PARTS ARE MERCURY FREE OF CONTAMINATION.

WI-14-AMS-004 REV:NC

** DEARS ** ** CERT Q13-P **



AVIBANK
MFG. INC.

AEROSTRUCTURES DIVISION, A PCC COMPANY

11500 SHERMAN WAY • NORTH HOLLYWOOD, CA 91605

PHONE: (818) 392-2100 • FAX: (818) 255-2094

No ozone depleting substances used in processes.

CERTIFICATE OF CONFORMANCE

SHIPPER

DATE SHIPPED

04/25/14

PAGE	OF	DATE ENTERED	SALES ORDER NO.
2	2	04/21/14	702978-3586

B 103866
I B/E AEROSPACE, INC.
L 10000 N.W. 15TH TERRACE
L
T MIAMI, FL
O USA 33172

S B/E AEROSPACE CONSUMABLE MGMNT
H 9835 NW 14TH ST
I
P
T MIAMI, FL
O USA 33172

CUSTOMER ORDER NO.				CONTRACT NUMBER				RATING		ORDERED BY		REC'D BY		TERRITORY NO.	
0XJB88										JANET ZA		GWE		124	
QUANTITY	UNIT	CAT	IN	NO. OF RETS	PREP REQ'D	REPAIR OR PM	WARRANTY	TYPE OF INSPECTION		TERMS		FREIGHT			
0	1	1	B	N	N	R		4		NET 30		NOHC/COLLECT			
SHIPPED VIA															
FEDEX GROUND															

ITEM NO.	NO. SHIPPED	UNITS	PART NUMBER / DESCRIPTION	NO. BACKORDERED
<div>CERTIFICATE</div> <div>COMPLIANCE</div> <p>TO OUR VALUED CUSTOMERS A RETURN MATERIAL AUTHORIZATION (RMA) NUMBER IS REQUIRED FOR ALL PRODUCTS RETURNED TO AVIBANK TO REQUEST A RMA NUMBER CONTACT YOUR AVIBANK SALES ASSOCIATE AT 818/392-2100</p> <p>THESE COMMODITIES WERE EXPORTED FROM AVIBANK MFG., INC. IN ACCORDANCE WITH EXPORT ADMINISTRATION REGULATIONS OR INTERNATIONAL TRAFFIC IN ARMS REGULATIONS. DIVERSION CONTRARY TO U.S. LAW IS PROHIBITED. COMPLIANT WITH DFARS 252.225.7014 ALT 1</p>				
QUANTITY	SHIPPED BY	SKID VIA	DATE SHIPPED	WAYBILL/OTHER YES
NO. OF PKGS	WEIGHT			

We hereby certify that all materials used in the manufacture of parts covered by this report conform to the material specifications called for by the above purchase order. We further certify that the parts are manufactured in accordance with applicable drawings or specifications current on the date on which the order was placed. Test reports covering materials in these parts, and indicating conformance with applicable specifications, are on file and subject to examination. No ozone depleting substances were used in processes. Parts are mercury free of contamination.

AVIBANK MFG., INC.

BY: AUTHORIZED QUALITY CONTROL REPRESENTATIVE

WI-14-AMS-004 REV:NC

**AVIBANK**
MFG. INC.

AEROSTRUCTURES DIVISION, A PCC COMPANY

11500, SHERMAN WAY • NORTH HOLLYWOOD, CA 91605

PHONE: (818) 392-2100 • FAX: (818) 255-2094

CERTIFIED TEST REPORT

1 of 1

CUSTOMER: B/E AEROSPACE, INC.

SHOP ORDER NO./WORK ORDER NO.: 1434827

CUSTOMER P/N: MS17987C410

CUSTOMER P.O.: 0XJB88

QTY. SHIPPED: 100

AVIBANK P/N: BLC4RA10S RV. L

PART NAME: S/A STANDARD

PROCUREMENT SPEC: NAS1332

BODY WO.: SB30207 QTY. MFG'D: 100

PROCESS	PROCESSOR	TYPE/CLASS	SPECIFICATION
ANODIZE	ANODIZING IND. LOS ANGELES, CA.	II/2	MIL-A-8625'F'
ANODIZE	K & L ANODIZING CORP. BURBANK, CA.	II/2	MIL-A-8625'F'
COPPER SULFAT	AVIBANK MFG., INC., NO. HOLLYWOOD, CA.	METHOD 102	AMS-STD-753'A'
HEAT TREAT	AVIBANK MFG., INC., NO. HOLLYWOOD, CA.	CH900	AMS2759'E'
HEAT TREAT	AVIBANK MFG., INC., NO. HOLLYWOOD, CA.	HRC 40 MIN	AMS2759'E'
PASSIVATE	AVIBANK MFG., INC., NO. HOLLYWOOD, CA.	2 & 6	AMS2700'E'

NO.	BOLT TENSILE (LBS.)	TORQUE (IN LBS.)	RETAINING DEVICE TENSILE (LBS.)	SHEAR (LBS.)
1.	N/A	N/A	245 NF	10,100
2.	N/A	N/A	260 NF	10,180
3.	N/A	N/A	255 NF	10,120
4.				
5.				
REQT.	N/A MIN.	N/A MIN.	230 MIN.	9,200 MIN.

* BF = BALL HOLE FAILED. * TF = THREADS FAILED. * NF = NO FAILURE. ** (S) = SINGLE SHEAR. ** (D) = DOUBLE SHEAR.

OTHERS: THESE PARTS WERE LAB TESTED PER 'NAS' REQTS AND FOUND ACCEPTABLE.
SALES ORDER NO. 702978-3586.

AVIBANK MFG., INC. CERTIFIES THAT THE PARTS LISTED ABOVE WERE MANUFACTURED IN COMPLIANCE WITH YOUR PURCHASE ORDER. ALL TEST AND INSPECTION REPORTS ARE ON FILE AT AVIBANK FOR VERIFICATION.

AUTHORIZED SIGNATURE:
WI-03-CTR-005 rev NC
NORMA CASTANAZA Q.C. CLERK

DATE: 04/26/14



1901 N. Narragansett Ave. • Chicago, Illinois 60639
773/804.0404 • Fax 773/804.0408
www.industeel.com
An ISO 9001 Certified Company

11/05/13

ISW Order/Invoice Number: 171013-00

SOLD TO: A9990
AVIBANK MFG. CO.

SHIP TO: A9991
AVIBANK MFG. CO.
11500 SHERMAN WAY

P.O. BOX 9909
NO HOLLYWOOD CA 91609

NO. HOLLYWOOD, CA 91605

CUSTOMER PO: 751295

085017BT

.0850"17-7 PH STAINLESS COND C CNT CLS

WEIGHT: 500

HEAT NUMBER: E121590

CHEMISTRIES

C	Mn	P	S	Si	Cr	Ni	Al
.082	.880	.029	.001	.269	16.630	7.560	.926
Mo	Cu						
.310	.255						

CERT REVIEW

MAIN LOT #
1434827
COMPONENT LOT #
KB30615
NAME

PHYSICAL PROPERTIES

TENSILE: 253000C 307000CH

TORSIONS: OK

ROCKWELL #1:
ROCKWELL #2:

BENDS: OK

SALT SPRAY HOURS: CLERK: GV NC DS

COATING WEIGHT:

GRAIN SIZE:

YIELD STRENGTH: 000000C/000000CH

ELONGATION:

REDUCTION OF AREA:

**** MERCURY FREE ****

*** SPECIFICATIONS ***

ASTM A313-10

AMS 5678-F

TARIFF: 7223.00

NAFTA: B

MELT: GB UNITED KINGDOM

ORIG: GB UNITED KINGDOM

MILL: INDUSTRIAL ALLOYS

DFAR: Y

ROHS: Y


Rey Domingo, Quality Control Manager



NOV 8 '13

1389733

The values and specifications herein are passed through from the manufacturer directly to the customer.
Please see reverse side or www.industeel.com for all Terms and Conditions of Sale.
Material Properties Sheet 70403-MPS Version 1 Approved by BF 11/20/12



SPRING WORKS UTAH

Certificate of Conformance

Prepared For:

AVIBANK INC.
11500 SHERMAN WAY
NORTH HOLLYWOOD, CA 91609
United States of America

Ph: 818-392-2100

Fax: 818-255-1733

To Whom It May Concern:

The Purchase Order listed above conforms to the specifications, drawings, samples, or other descriptions furnished or specified by the purchaser and are of good material and workmanship, to the best of my knowledge.

Test reports covering all materials used in the manufacture of these parts are available upon request and will indicate conformance with the applicable specification requirements.

DATE: 24-Feb-14

PART: 19-4C

REV: E

DESC: RING

QTY: 62,320

PO: 754521

LINE:

JOB: 41351

PACKLIST: 24786

MATERIAL TYPE: 302_090_D

MATERIAL PO-HEAT: 15234-41955

HEAT METHOD: 600DEG / 30MIN

HEAT PO: NA

FINISHES: NA

FINISHES PO(s): NA

ADDITIONAL NOTES: NA

CERT REVIEW

MAIN LOT #

COMPONENT LOT #

NAME

CLERK: GV ☒ NC ☒ DS ☐

Thank you for your business!

Joe Chidester
Quality Manager

Spring Works Utah
2261 South 1560 West
Woods Cross UT 84087
Phone: 801.298.0113 | Fax: 801.292.8006 | www.springworksutah.com
AS9100C & ISO 9001 Registered Company // Springs, Wire Forms, Stampings

Date of Release: 01/28/14

Certificate of Conformance

Q. C. Reylew

Sig. *[Signature]*

Date 2/24/14

Lot # 1420643

Page: 1 of 1

Gibbs Certificate of Analysis

Gibbs Wire & Steel Company, Inc. 14020 Central Ave Unit 52 Chino, CA 91710

THE SPRING WORKS
2261 SOUTH 1560 WEST
WOODS CROSS

UT 84087 USA

Description: 0.0900" +/- .001
T-302 Stainless Steel Spring Wire X Coil

Date Shipped: 1/13/2014
Cust Order #: 15234
Amount Shipped: 307.00

Heat Number: 41955

Mill Coil ID:

Gibbs Coil ID: 67648/00

Gibbs Number: 58863

To Certify that the material shipped against your above order number is in accordance with

Specification: ASTM A313-10 AMS 5688L TYPE 302/304

C:	0.0700	Mn:	1.0600	P:	0.0300	Sul:	0.0010
Si:	0.2600	Cr:	18.0200	Ni:	8.0300	Mo:	0.2000
Co:	0.1400	Cu:	0.3000	N2:	0.0700	Fe:	
Ti:		Al:		Be:		W:	
Zn:		Sn:		Pb:		Cb:	
Ta:		V:					

Other:

	MIN	PRE-HEAT	MAX	MIN	POST-HEAT	MAX
Tensile Strength:	258,000		281,000			

Condition CH900:

Grain:

Elongation % in 2":

Rockwell Hardness:

Reduction of Area:

MILL: SUMIDEN / MELT: NORTH AMERICAN
STAINLESS, USA / DFAR COMPLIANT / COIL &
WRAP TEST GOOD / MATERIAL FREE OF
MERCURY CONTAMINATION / ROHS COMPLIANT

Dale Porter

Gibbs Wire & Steel Company, Inc.
Certification Clerk

Dale Porter

.090 302 SS (DFARS) ASTM-A-313
302_090_D

PO/Lot: 15234-41955

GWS #: 128849

Tel: (909) 548-4420

Fax: (909) 548-4430

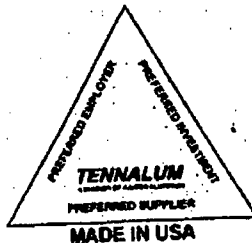
DFARS

Q. C. Review
Sig: *[Signature]*
Date: 2/26/14

Lot #1420643

KAISER ALUMINUM FABRICATED PRODUCTS

Tennalium
309 Industrial Drive
Jackson, TN 38301
731-423-2811



CERTIFIED TEST REPORT
<http://Online.KaiserAluminum.com>

CUSTOMER PO NUMBER: 43-114760-2		CUSTOMER PART NUMBER:		PRODUCT DESCRIPTION: Cold Finished Round	
KAISER ORDER NUMBER: 693761	LINE ITEM: 2	SHIP DATE: 01/31/2014	ALLOY: 2024 ✓	TEMPER: T351 ✓	
WEIGHT SHIPPED: 1238 lbs.	QUANTITY: 343 pcs.	B/L NUMBER: 36438	DIAM/DAF/THKNS: 0.5625 in. ✓	WIDTH: 0.000 in.	LENGTH: 144.0 in.
SHIP TO: Bralco Metals 15090 Northam Street La Mirada, CA 90638 USA			SOLD TO: Bralco Metals 15090 Northam Street La Mirada, CA 90638 USA		

Test Code: 1000 AC ✓ **Actual Physical Properties**

Lot Number	LONG. UTS ksi	LONG. YTS ksi	LONG. ELONG. %
10046136	69.6	54.0	21.0
	69.7	53.9	23.0

Chemical Composition, WT. % (Aluminum Remainder)

	Si ✓	Fe ✓	Cu ✓	Mn ✓	Mg ✓	Cr ✓	Zn ✓	Ti ✓	OTHERS EACH	OTHERS TOTAL	Lot
Actual	0.09	0.18	4.5	0.78	1.3	0.01	0.17	0.02	0.05	0.15	10046136
Max	0.50	0.50	4.9	0.9	1.8	0.10	0.25	0.15			
Min			3.8	0.30	1.2						

Specifications

Standard: ISO 9001, ASTM B211-12, AMS 4122CR, AMS-QQ-A-225/6A ✓

CERT REVIEW

MAIN LOT #

1434827

COMPONENT LOT #

1389528

NAME

HANDLE RING

CLERK: GV — NC X DS —

**THIS METAL HAS NOT BEEN
EXPOSED TO MERCURY OR MERCURY
CONTAINING COMPOUNDS WHILE IN THE
POSSESSION OF BRALCO METALS**

CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC ("Kaiser") hereby certifies that the metal shipped under this order has been inspected and tested and found in conformance with the applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on Kaiser's general terms and conditions of sale. Test reports are on file, subject to examination.

John Rennekamp, Quality Manager

John Rennekamp

Page 1 of 2

Q. C. Review

Sig. *Namely*

Date 2/4/14

Lot # 1417314

Plant Serial: 198869

Kaiser Order Number: 693761

Line Item: 2

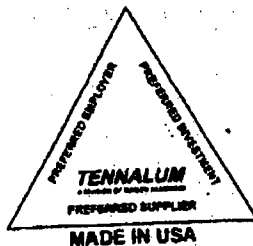
Sold to: AVIBANK MFG., INC. PO: 755260 Part: Order No.: 479005

TR clerk signature:

Angel Tinaiero

KAISER ALUMINUM FABRICATED PRODUCTS

Tennalum
309 Industrial Drive
Jackson, TN 38301
731-423-2811



CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

Miscellaneous Notes

Made in USA

This material was melted and manufactured in the USA. Mercury is not a normal contaminant in aluminum alloys. Neither mercury nor any of its compounds were utilized by Kaiser Aluminum in the manufacture of this material. AS9100C:2009 The recording of false, fictitious or fraudulent statements or entries on the certificate may be punished as a felony under federal law.

This material meets the requirements of T4 temper and of QQ-A-225/6E Amendment 1 (CANCELLED). This material is RoHS 2 compliant.

Q. C. Review
Sig. *[Signature]*
Date 2/14/14

Lot # 1417314

CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC ("Kaiser") hereby certifies that the metal shipped under this order has been inspected and tested and found in conformance with the applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on Kaiser's general terms and conditions of sale. Test reports are on file, subject to examination.

John Rennekamp, Quality Manager

[Signature]

Page 2 of 2

Plant Serial: 198869
Kaiser Order Number: 693761
Line Item: 2

Sold to: AVIBANK MFG., INC. PO: 755260 Part: Order No.: 479005

TR clerk signature: _____

[Signature]



redited **Anodizing Industries**

Certification

Los Angeles, CA 90032
323-227-0949
Fax#: 323-227-0535
5160 Alhambra Ave

Prepared Date	Work Order #
3/7/2014	7898

Bill To	Ship To
AVIBANK MFG 11500 SHERMAN WAY NORTH HOLLYWOOD, CA 91605	AVIBANK MFG 11500 SHERMAN WAY NORTH HOLLYWOOD, CA 91605

P.O. Number	Date Received	Ship Date	Ship Via
757812	3/7/2014	3/7/2014	

QUANTITY	PART #	PART NAME	CERTIFIED PROCESS
2,510	25-4AR	HANDLE RING TYPE REV V	ANODIZE PER MIL-A-8625F TYPE II CLASS 2 BLACK MATL 2024T4
CERT REVIEW			
MAIN LOT # 1434827			
COMPONENT LOT # 1389528			
NAME HANDLE RING			
CLERK: GV NC DS			
			 Q. C. Review Sig. <i>[Signature]</i> Date 3/7/14 Lot # 1423030

 QA Inspected By	 Date 3/7/14	NDT Level II	Date
---------------------	-----------------	--------------	------

Anodizing Industries must be notified of any discrepancies within 3 days of receipt. Any liabilities for discrepancies or damages to parts are subject to negotiation and not to exceed 3 times the cost of services provided.

Acciaierie Valbruna S.p.A.

36100 VICENZA (Italia) - Viale della scienza, 25 z.l.
Stab.: 36100 BOLZANO (Italia) - Via A. Volta, 4

Cliente / Customer/Purchaser/Client
VALBRUNA STAINLESS INC.
2400 TAYLOR STREET WEST
46801-FORT WAYNE, IN 46801-US

Produttore: **ACCIAIERIE VALBRUNA S.P.A.**
Hersteller/Manufacturer/Produzierer

Stato di fornitura: - Annealed Cold Drawn
Lieferzustand/Delivery state/État de livraison

Specifiche:
Anforderungen / Requirements / Exigences
VSI 0.303 HS A,CF
AMS 5640 U TYPE1 A
ASTM A320 2011A B8F (1)
MIL-S-882 B/1 303

(0) SEC.II PT.A 2010 EDITION ADD. 2011a
(1) Chemical analysis only.

Qualità: 303HS
Werkstoff/Grade/Qualität

Marcia: **MV188ZHS**
Markenbezeichnung/Brandname
MAXIVAL

Tolleranza: **ASTM A484-11**
Toleranz/Allowance/Tolérance

Punzonatura: 303HS
Kennzeichnung/Marking/Marquage

Pos. nr. Pos. nr. Nr. de position	Oggetto Designation Produit/Description Design. du produit	Dimensioni - In Abmessungen Dimension	Lunghezza - In Länge Longueur	Colata Schmelze Melt Coulée	Pezzi Stückzahl Pieces	Peso - LB Gewicht Weight Poids	Lotto nr. Losnr. Lot nr.
0010	Round	0,4063	144 / 146	425478		3.128	126904100

TEST ALLO STATO DI FORNITURA												
Test on delivery condition Prüfung auf Lieferzustand/produit test à l'état de fourniture Prueba sobre el material así como entregado												
TEST	Provetta/Proben Bendprüfung/Biegeprobe Längs- & Querschnitt Viele Dms. /Dimensions Long. & Trans. Long. & Trans. mm	*F	Posiz. Seggi Position Position 1)	Snervamento Biegeprobe Viel Bogen Lichte beugen Rp 0,2% k.s.l.	Snervamento Biegeprobe Viel Bogen Lichte beugen	Resistenza Zugfestigkeit Tensile strength Resistance à traction Rm k.s.l.	Allungamento Bruchdehnung Elongation Allongement E 4d %	Strizione Bruchdehnung Reduction of area Striction RA %	Resilienza Hochschlagarbeit Impact Value Resilience	Durezza Härte Hardness Dureté HB		
Valori richiesti 1 Anforderungen/Requisits values Valeurs demandées		min		-	-	-	-	-	-	140 255		
A	8,75	68	L	88		110	34		51			252

TEST			min	max		
A	Grain size for ASTM E112				5	

Mechanical properties according to ASTM A370.

Analisi chimica

Chemische Zusammensetzung/Chemical Analysis/Analyse chimique

Colata / Melt Schmelze/Coulée	min 0,030 max 0,050	0,26 1,00	1,50 2,00	17,00 18,00	0,80	1,00	8,00 10,00	-	0,100	0,32	0,4000	-	-	-	-
	C %	Si %	Mn %	Cr %	Mo %	Cu %	Ni %	Co %	P %	S %	Zr %				
425478	0,034	0,36	1,85	17,33	0,38	0,52	8,01	0,076	0,026	0,33	0,0050				

Produced without class HI Ozone depleting substances.
Solution heat treated free from continuous carbide network.
Annealing temperature: 1940°F for 0,5 h/water.
Micro and macro etch test: OK
Material is DFARS Compliant

Sono state soddisfatte tutte le condizioni richieste
Die gestellten Anforderungen sind lt. Anlage erfüllt
The material has been finished in accordance with the requirements
Le matériel a été traité conforme aux exigences

Controllo antimescolanza: OK
Verwechslungsprüfung: zufriedenstellend durchgeführt
Antibling testing performed: OK
Contrôle antimeslange fait: r.a.s.



MAR 15 '14

Controllo visivo e dimensionale: soddisfa le esigenze
Beisichtigung und Ausmessung: ohne Beanstandung
Visual inspection and dimensional check satisfactory
Contrôle visuel et dimensionnel: satisfaisant

Melted and manufactured in Italy No welding or weld repair Material free from Mercury contamination
We declare that the finished product is checked for radioactive contamination through Portal System when it leaves the production plant.
The Quality Management System is Certified acc. Pressure Equipment Directive [97/23/EC] Annex 1, 4.3 by TUEV and LLOYD'S

Vicenza, 15/01/13 VCO006 (Mod. MCE2)	Il collaudatore di stabilimento / der Werkstatteinverständiger / Works Inspector / L'agent d'usine <i>M. Rizzotto</i>	Pagina - 1 di 2
--------------------------------------------	--------------------------------------------------------------------------------------------------------------------------	-----------------

CERTIFICATO DI COLLAUDO
ABNAHMEPRUEFZEUGNIS
INSPECTION CERTIFICATE
CERTIFICAT DE RECEPTION
EN 10204 (2004) , 3.1

Avviso di Spedizione: D-VI13001138
Lieferanweisung/Packing list/L.

Certificato nr: MEST291439/2013
Prüfung/Test/Exam

Conferma ordine nr: EI13000105
Werk/Our Order/Nr.

Marchio di Fabbrica:
Zeichen des Werks/Hersteller
Trade mark
Sigle de l'usine /producteur

Ordine nr: 34790 STOCK CAROL STR
Bestell-/Your order/Commande

Tipo di Elaborazione: E+AOD
Erzeugnisart/Working process/Mode d'elaboration

Funzione del Collaudatore:
Stempel des Werksstatteinverständigen
Inspector's stamp/Prüfung de l'inspecteur

AMS 5640 U S30300 A
ASTM A314 2008 S30300
ASTM A582 2012 S30300 A ✓

(0) Chemical analysis only.

CERTIFICATE
MAIN LOT # 1434827
COMPONENT LOT # 1434827
NAME SHOUSE
METAL BARS INC.
OUR INVOICE # 161852
YOUR P.O. # 1201971

Acciaierie Valbruna S.p.A.



QUALITY MANAGEMENT SYSTEM
CERTIFIED BY LLOYD'S REGISTER

CERTIFICATO DI COLLAUDO ABNAHMEPRUEFZEUGNIS INSPECTION CERTIFICATE CERTIFICAT DE RECEPTION EN 10204 (2004) , 3.1

36100 VICENZA (Italia) - Viale della scienza, 25 z.L.
Stab.: 39100 BOLZANO (Italia) - Via A. Volta, 4

Clienti / Kunden/Purchaser/Client
VALBRUNA STAINLESS INC.
2400 TAYLOR STREET WEST
46801-FORT WAYNE, IN 46801-US

Produttore: ACCIAIERIE VALBRUNA S.P.A.
Hersteller/Usine producer

Stato di fornitura: - Annealed Cold Drawn
Lieferzustand/Delivery state/Etat de livraison

Avviso di Spedizione: D-VI13001138
Lieferanweisung/Packing list/V.L.

Ordine nr: 34790 STOCK CAROL STR
Bestell/Your order/Commande

Tipo di Elaborazione: E+AOD
Erneuerungsverfahren/Processing process/Mode d'elaboration

Certificato nr: MEST291439/2013/
Prüfung/Test/Essai

Conferma ordine nr: E113000105
Werk/Our Order/Nr.

Marchio di Fabbrica:
Zeichen des Unternehmens
Trade mark
Sigle de l'usine producer



Funzione del Collaudatore:
Beauftragter des Werkstoffprüfingen
Inspector's stamp/Person de l'atelier



Any act of tampering, modification, alteration, counterfeiting and/or falsification and/or any other action which modifies the contents of this test certificate shall constitute a violation of applicable civil and criminal laws. Acciaierie Valbruna shall protect its rights and interests before any competent court, authority and jurisdiction.
Maximal and/or Valplus grades/products are manufactured with ladle techniques to control composition, distribution, size and shape of non-metallic inclusions for improved machinability.

The supplied product conforms to requirements expressly requested by the purchaser and conforms to requirements specified by certified norms and standards. Should the product be used for more severe, critical and/or in any case different applications than those the material is generally intended for, any different and/or supplementary requirements shall be specifically demanded, at least, upon order of the Product by the Purchaser. Acciaierie Valbruna SpA shall not be responsible for any improper use of the Products.

AVB
58
INBP
MAR 15 14

1425063

Vicenza, 15/01/13 VCC008 (Mod. MCE2)	Il collaudatore di stabilimento / der Werkstoffverständiger / Works Inspector / L' agent d' usine M. Rizzotti	Pagina - 2 di 2
--------------------------------------------	------------------------------------------------------------------------------------------------------------------	-----------------



Linear Motion. Optimized.

SHIP TO: AVIBANK MFG INC
11500 SHERMAN WAY
NORTH HOLLYWOOD CA 91605
United States

CERTIFICATE OF CONFORMANCE

DELIVERY NAME: 2891806 DATE PRINTED: 27-NOV-2013 PAGE: 1 of 1

SHIP FROM: ABEK LLC
492 Birch Street
Bristol CT 06010
United States

Tel: (860) 314-3921 Fax: (860) 314-3942

BILL TO: AVIBANK MFG INC
11500 SHERMAN WAY
NORTH HOLLYWOOD CA 91605
United States

PICK-UP DATE: 26-NOV-2013	SHIP METHOD: UPS-Truck-Ground	FREIGHT TERMS: COLLECT - FROM ORIGIN	FSCM:					
DELIVERY TERMS EXWORKS FACTORY	TAX NAME: EXEMPT	CUSTOMER TAX NUMBER:	WAYBILL: 1Z0176470367731074					
SHIPPING INSTRUCTIONS: ACCT# 60X10X		TAG NUMBER/REF:	PO REF:					
ITEM NUMBER	REFERENCE ITEM	ITEM DESCRIPTION	CUSTOMER PO NO.	ORDER NO.	LINE ITEM NO.	UOM	QTY ORDERED	QTY SHIPPED
SS0078121CXXXDF	SS0078121CXXXDF	5/64 440C GRADE 100 (DFAR REQUIRED) - SS0078121CXXXDF	752322	1782142	1.1	MPC	60.0	60.0
COUNTRY OF ORIGIN: ****EAR99****		United States						
Lot Number	Quantity	Heat Number	Hardness Test				Hardness	
L0012835	36.755	G16861R09 ✓	HRC				60-61	
L0012500	23.246	548226	HRC				60/62	
Material meets DFAR 252.225-7009:7014. Material certs meet ASTM F-2215. Material meets AMS QQ S 783 and AMS 5630 Country of Origin (Ball): USA Country of Melt (Material): USA These commodities, technology or software, if being exported from the United States must be exported in accordance with the Export Administration Regulations. Diversion contrary to U.S. Law is prohibited.								
CERT REVIEW								
MAIN LOT #		1434827						
COMPONENT LOT #		1402738						
NAME		BAU						
CLERK: GV		NC, X DS						
NUMBER OF PACKAGES 1			GROSS WEIGHT 6.0 LB			VOLUME		
THE UNDERSIGNED, INDIVIDUALLY, AND AS THE AUTHORIZED REPRESENTATIVE OF THOMSON INDUSTRIES INC., WARRANTS AND REPRESENTS THAT; ALL THE INFORMATION SUPPLIED ABOVE IS TRUE AND ACCURATE; THE MATERIAL COVERED BY THIS CERTIFICATION CONFORMS TO ALL CONTRACT REQUIREMENTS (INCLUDING BUT NOT LIMITED TO THE DRAWING AND SPECIFICATIONS); THE INSPECTION AND THE ANALYSIS HEREIN ARE TRUE AND ACCURATE.								
QUALITY ASSURANCE MANAGER AUTHORIZED SIGNATURE								

PERTH, ON
ERIN, ON
DUMAS, AR
LANCASTER, SC
FOND DU LAC, WI

819-267-3752 FAX 819-267-6617
819-833-8622 FAX 819-833-2213
870-382-2380 FAX 870-382-8868
802-283-3353 FAX 803-283-8303
920-928-0609 FAX 920-928-0662



UNION, IL
HOUSTON, TX
PERRIS, CA

815-923-2131 FAX 815-923-2128
713-486-1000 FAX 713-486-7426
951-857-2105 FAX 951-843-8061

THE LEADING MANUFACTURER OF STAINLESS STEEL, NICKEL ALLOYS AND WELDING WIRE PRODUCTS
EXECUTIVE OFFICES: PERTH, ON CANADA - EMAIL: sales@centralwire.com

CENTRAL WIRE LANCASTER
1582 CASKEY ROAD, LANCASTER
SOUTH CAROLINA U.S.A 29720

CERTIFICATE OF CONFORMANCE

SOLD TO	NEW ENGLAND MINIATURE BALL, LLC P.O. BOX 585 NORFOLK USA	CT 06058-0585	SHIP TO	NEW ENGLAND MINIATURE BALL, LLC 163 GREENWOODS ROAD WEST NORFOLK USA	CT 06058-0585

CUSTOMER'S PO NO. 028994-00	TYPE OF CERT Customer	CUSTOMER 121470	ORDER NO. 1157709	1	WORK ORDER 4116821	DATE SHIPPED 1/21/11
SPECIFICATIONS: ROD TENSILE 118.0 (UNITS KSI)						

ITEM DESCRIPTION			SPEC. CLASS	HEAT
DESCRIPTION				
Forming 440C ANNEALED Black .1200 Coils Std. Clean	Melt mill USA Country of origin USA			G16861R09
		QTY SHIP 2478		035

CHEMICAL ANALYSIS						
C 1.03	MN .76	SI .29	S .003	P .014	CR 16.98	W < .05
V .05	NI .32	MO .49	CO < .05	CU < .02	SN .005	CB .01
AL < .01	TI < .01	N .046				

MECHANICAL PROPERTIES							
AS SHIPPED PROPERTIES: DIAMETER .1201							
TENSILE 97.800 KSI	HARDNESS 92.000						
AFTER HEAT TREAT PROPERTIES:							

ASM 5830 AMS-QQ-S-763 ASTM A756 ASTM-F2215	AMS 5618 AMS 5880	LOT# 14,12828 FEB 01 2014
<p>The material as shipped is free from mercury contamination. I certify the chemical analysis and physical and mechanical test results reported above are correct as contained in the records of the company.</p> <p>Very truly yours, </p> <p>AUTHORIZED SIGNATURE</p>		

Order No: 3717007
Time 17:55:27



FRY STEEL COMPANY
Registered ISO 9001
13325 MOLETTE ST.
SANTA FE SPRINGS, CA 90670
(562) 802-2721

A08040
Cust. NO.: 756825
P.O. NO.:

CERTIFICATE OF COMPLIANCE

AVIBANK MFG INC
ATTN: ACCTS PAYABLE
P O BOX 9909
NORTH HOLLYWOOD CA 91609-1909

AVIBANK MFG
11500 SHERMAN WAY
***RECEIVING CLOSED 11:30-12**
NORTH HOLLYWOOD CA 91605-5827

02/17/14

QTY	DESCRIPTION	ITEM CODE	HEAT NUMBER
	CG 15CR 5NI PPT HT VM PH AMS 5659 TY 1 DK BLUE/COPPER		
44	BARS 7/16"RD 12'RL	100	G20523K04
10	BARS .505"RD 12'RL	130	G18723K05
	RT 15-5 ESR AMS 5659 TY 2 LT BLUE/COPPER		
2	BARS 2-1/8"RD 12'RL	77540	G20580R03
	CG 17CR 4NI PPT HT SOL TR PH AMS 5643 SILVER/RED		
500	BARS .255"RD 12'RL	9170	E131099
	DG&P 8740 ANN AMS 6322 RED/YELLOW		
92	BARS .510"RD 12'RL	50260	8172051

NOTICE

A COPY OF THE ORIGINAL MILL CERTIFICATION IS ATTACHED*

CHEMICALS & PHYSICALS ARE REPORTED THAT WILL MEET THE SPECIFICATIONS SHOWN ON THE CERTIFICATE.
EXCEPTIONS TO SPECIFICATIONS SHOULD BE SHOWN ON THE CERTIFICATION.

AUTOMATIC EXCEPTIONS TO THE SPECS LISTED ARE: LINE MARKING AND INSPECTION(I.E. MAG., SONIC,ETC.)

WE SUGGEST CONSULTING AN EXPERT ABOUT RELATED INSPECTION, PRIOR TO ALTERING THE MATERIAL FROM THE AS SHIPPED/RECEIVED
CONDITION. "DEFECT FREE" MATERIAL CAN NOT BE GUARANTEED WITHOUT PRIOR INSPECTION APPROPRIATE TO APPLICATION.

NO WELD REPAIR HAS BEEN PERFORMED AND THIS MATERIAL IS FREE FROM MERCURY AND RADIUM
CONTAMINATION AT TIME OF SHIPMENT

The willful recording of false, fictitious or fraudulent statements on this document may result as a felony under federal statutes.
WHEN APPLICABLE

TO THE BEST OF OUR KNOWLEDGE MATERIAL IS CONFLICT MINERAL FREE --

MAIN LOT #

1434827

COMPONENT LOT #

SB30207

NAME

BODY

CLERK: GV NC DS



Q. C. Review

Sig. *[Signature]*

Date 7/25/14

Lot # 1419118

[Signature]
CHIP SANDOVAL - Q.C. MANAGER

FRY STEEL CO. CERTIFIES THAT THIS IS
A TRUE COPY OF THE ORIGINAL MILL TEST
REPORT NOW ON FILE
RECEIVED AND INSPECTED

TRI STAR METALS, LLC
375 VILLAGE DR.
CAROL STREAM, IL 60188
An ISO 9001:2008 Registered Company

JAN 03 2014

BY *C. J. Elliott*
QEP MANAGER - Q.C. MANAGER

CERTIFICATE DATE: 12/26/13 **CUSTOMER:** FRY STEEL COMPANY
ORDER#: 204303 **CUSTOMER PO#:** 47722-1
MATERIAL: 17-4PH ✓ **DESCRIPTION:** .255" RD SS X 12' ✓
HEAT NUMBER: E131099 **QTY. SHIPPED:** 1,920 LBS
CONDITION: A - Solution Annealed, A.Q., Centerless Ground **PART #:** 9170

CHEMICAL COMPOSITION

C	Mn	Si	S	P	Ni	Cr	Mo	Other Elements
.015	.730	.408	.0280	.023	4.68	15.38	.170	✓ Cu=3.349 Co=.089 N=.0310 Ti=.002 ✓ Nb=.2510 Al=.002 B=.0016 Sn=.008 V=.050 W=.020 As=.006 Ca=.001 Ta=.002 Pb=.0002

MECHANICAL VALUES

TENSILE (KSI)	YIELD (KSI)	ELONGATION (%)	REDUCTION OF AREA (%)	HARDNESS
134	✓ 122	14	67	271 HB

✓ **AFTER HT CAPABILITIES 900F 1 HOUR AIR COOL**

TENSILE (KSI)	YIELD (KSI)	ELONGATION (%)	REDUCTION OF AREA (%)	HARDNESS
201	199	12	54	410 HB

ADDITIONAL REMARKS: ✓

This material meets the specifications for: SOLUTION ANNEALED AT 1800F FOR 1.5 HRS;
AMS 5643R, AMS 2303E; ASTM A484-10; Capable of ASTM A564-04 TYPE 830, ASME
A564-04 TYPE 630, & MBO-180-003 EXC HARDNESS & ULTRASONIC; DFARS 252.225.7014 &
225.7002-3(b) (1) COMPLIANT; Delta Ferrite=.38%; Micro & Macro Structures OK per AMS 5643

MATERIAL IS FREE FROM MERCURY CONTAMINATION. EN10204 3.1.B
✓ MELT ORIGIN: ENGLAND

MATERIAL IS MANUFACTURED IN THE UNITED STATES OF AMERICA

I hereby certify that this data is correct as contained in the records of this company.

QUALITY CONTROL REPRESENTATIVE:
QSD-017 REV. ORG. 4/17/2013

James P. Elliott
James P. Elliott-Quality Process Manager

Q. C. Review

Sig. *N. M. Jr.*

Date 2/5/14

LOT# 141911B

E131099

.255 RD

Outokumpu Stainless Ltd.

ASR Rod Mill

Silverman Road

Shelfield, SS 3YG

Telephone: +44 (0) 14 242 1124

Fax: +44 (0) 14 242 2182



PR04-Nr

Test certificate No

No du certificat

78540

In Accordance With EN 10204.3.1

Rechnungs-Nr

89194

Invoice/Cons No

No de facture

Bestell-Nr

Customer Order No

No de commande client

248928

ADDRESS

Tri Star Metals LLC

811 W. Lamin Rd

Freeport,

Illinois 61032

USA

61832

NORM

✓

SPECIFICATION

NORME

1744PH(830) Rev 09-13-11 (UNS S17408) COND. A

Produkt Name

AV28107091

Verfahren

SOFTENED AND DESCALED

Form

7.00 mm Round

Bestand

4 rod coils for 2.539t

Chemische Analyse

✓

E131099

Schmelzanalyse

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Mechanical and Physical Properties

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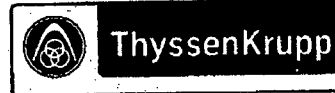
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ThyssenKrupp Materials NA
Copper and Brass Sales Division



ThyssenKrupp Materials NA 13338 Orden Drive Santa Fe Springs CA 90670

DELIVERY NOTE

AVIBANK MFG INC
11500 SHERMAN WAY
NORTH HOLLYWOOD CA 91605-5827



DATE: 10/18/2013
DOC. NO: 2402762072* ✓
BOL. NO: 2402762072
ORDER NO: 1401721145
YOUR P/O: 729445
CUSTOMER NO: 10009895
Route: C2AC2
CONTACT: Ginger M Sanchez
TEL: 562-215-4398 ext 54398
FAX: 800-926-8310 ext 8310
EMAIL: Ginger.sanchez@thyssenkrupp.com

ALL S/S BAR MUST BE DFARS COMPLIANT
UNLD BY FORK: Y
RCVG HOURS: 6-4PM MON-FRI LNCH 12-12:30PM
6-4PM MON-FRI LNCH 12-12:30PM MAX SKID WT: 2000 MAX BUNDLE
WT: 2000

SHIP EXACT PC COUNT

We deliver at your own risk and account in accordance with our general delivery and payment terms.

ITEM	DESCRIPTION	NET QTY1 / QTY2	PACKAGE NO.
0010	XSSRD05808	6,473	1003742000 ✓
	T-17-4 Stainless Steel Cold Finish Cond A Round	Feet	1003742001 ✓
	0.1300 " (+ -.001) X 144 Mill Length	291 lb	
	Actual Chemistry/Act. Physical		
	Standard Packaging		
	TAGNUMBER QUANTITY UOMVENDOR VENDORPO HEAT/LOT PCS		
	2000661740 4222 FT TRI STAR 5400169032 E120543		
	SAE AMS 5643 R		
	2000661742 2251 FT TRI STAR 5400179861 E130597		
	SAE AMS 5643 R		

Total Gross Weight 391.000 lb

All items, not declared as partial delivery, are final quantities.
Delivery Terms: PPD gem. Incoterms 2000 Prepaid

CERTIFICATION OF COMPLIANCE

We hereby certify that mercury or any of its compounds are not used in the processing and distribution of our products. The products we distribute are not hazardous in their received state.

For MSDS sheets go to www.copperandbrass.com. We hereby certify that the material above complies with the above specifications

John R Zambetti - Director of Quality Assurance

CERT REVIEW

MAIN LOT #

7434827

COMPONENT LOT #

1414686

NAME

SPINDLE

CLERK: GV NC DS

TRI STAR METALS, LLC.
1201 S. ADAMS AVE.
FREEPORT, IL 61032
An ISO 9001:2008 Registered Company

CERTIFICATE DATE:	3/6/13	CUSTOMER:	COPPER & BRASS SALES
ORDER#:	194933	CUSTOMER PO#:	5400169032-R05
MATERIAL:	17-4PH ✓	DESCRIPTION:	.130" X 12'
HEAT NUMBER:	E120543	QTY. SHIPPED:	863 LBS
CONDITION:	ANNEALED	PART#:	XSSRD05808

CHEMICAL COMPOSITION

C	Mn	Si	S	P	Ni	Cr	Mo	Other Elements
0.0160	.7700	.3560	.0260	.0250	4.6900	15.4500	.2500	Cu=3.3590 Co=.0600 Ti=.0050 Nb=.2740 Al=.0030 B=.0015 Sn=.0140 N=.0260 V=.0700 W=.0200 As=.0090 Ca=.0020 Ta=.0010 Pb=.0002
✓	✓	✓	✓	✓	✓	✓	✓	

MECHANICAL VALUES

TENSILE (KSI)	YIELD (KSI)	ELONGATION (%)	REDUCTION OF AREA (%)	HARDNESS
143	125	9	63	286 HB

✓ **H900 AFTER HEAT TREAT CAPABILITIES 900F 1 HR AIR COOL**

TENSILE (KSI)	YIELD (KSI)	ELONGATION (%)	REDUCTION OF AREA (%)	HARDNESS
211	197	17	48	429 HB

ADDITIONAL REMARKS:

This material meets the chemistry specifications for: ASTM A564-04, RoHS COMPLIANT,
 SAE AMS 5643R. DFARS COMPLIANT.

MATERIAL IS FREE FROM MERCURY CONTAMINATION. EN10204 3.1.B
MELT ORIGIN: ENGLAND

MATERIAL IS MANUFACTURED IN THE UNITED STATES OF AMERICA

I hereby certify that this data is correct as contained in the records of this company.

QUALITY CONTROL REPRESENTATIVE:
 Form# 7.8.0.0.4 Rev C

James P. Elliott - Quality Process Manager

Q. C. Review

Sig: *Nanah*

Date: *10/30/13*

Lot# *1386815*

From: ThyssenKrupp Materials NA

Cust. AVIBANK MFG INC

CstAr

Wgt.: 188.000 LB

Del.: 2402762072

CstOr 729445

Date 10/18/2013

John R. Zambetti

Outokumpu Stainless Ltd.
ASR Rod Mill
Stevenson Road
Sheffield, S9 3XG
Telephone: +44 (0) 114 242 1124
Fax: +44 (0) 114 242 2162

OUTOKUMPU

Prüf-Nr
Test certificate No
No du certificat

73776

In Accordance With EN 10204.3.1

Rechnungs-Nr Invoice/Cons No No de facture	61270	Bestell-Nr Customer Order No No de commande client	236042	NORM	SPECIFICATION	NORME
				17/4PH(630) Rev 09-13-11 (UNS S17400) COND. A		
ADDRESS				Werkstoff-Nr Material Order No No de commande matière		
Tri Star Metals LLC 611 W. Lamm Rd Freeport, Illinois 61032 USA 61032				AV196621/02		
				Lieferzustand Supply Condition État de livraison		
				SOFTENED AND DESCALED		
				Produkt Prod Produit		
				8.00 mm Round		
				Menge Quantity Quantité		
				3 rod coils for 2.016t		
				Schmelz-Nr Heat No No de Centre		
				E120543		

Schmelzanalyse							Cast Analysis					Analyse de Coulée		
%C	%Si	%Mn	%P	%S	%Cr	%Ni	%Al	%Nb	%Ti	%N	%Cu	%As	%Sb	%Bi
0.0160	0.3580	0.7700	0.0250	0.0260	15.4500	0.2580	4.8900	0.0050	0.2740	0.0030	0.0015			
%Co	%Cu	%Sn	%N	%W	%Mo	%Fe	%O	%H	%Pb					
0.0600	3.3590	0.0140	0.0260	0.0700	0.0200	0.0090	0.0020	0.0010	0.0002					

Mech und phys Eigenschaften				Mechanical and Physical Properties			Caractéristiques mécaniques	
0.2%PS kPSI	1.0%PS kPSI	UTS kPSI	RA%	Korngröße Grain Size Taille de grain	Dehnung % Elongation % Allongement %	Harte- ness Dureté	Hb	
113.555	133.290	136.916	66.3	7.5 7.5	3.5		326.00	
Decarb	Max	Batch Average	Batch Percentage	Cleaness ABCD<1				
				Intergranular Corrosion Test				

Additional Information
Delta Ferrite Content - 0.04%
H900 results
Rp0.2 197kpsi
Rm 211kpsi
A4D 18.7%
Rm 47.9%
HB 428
Free from known Mercury or Radium Contamination
Material free from welds
Melting Practice: EAF and AOD
Solution annealed at 1900F +/- 25 for 1.5Hrs
Material melted and rolled in Sheffield, England by Outokumpu Stainless Ltd.
Ultrasonic to AMS2630 & Magneto Particle to AMS 2303 both Pass No CH
or Sigma phase at 100x per ASTM E407 Macro and Micro structure OK per
AMS 5643 Chemistry, melt practice, material integrity and capability of

BHSQ Manager

Rob Charlesworth

Rob Charlesworth

Date
03/07/2012

This order was manufactured according to a Quality System
registered to ISO 9001:2008 and approved by TUV Nord.
Certificate Registration No. 44 100 115408

From: ThyssenKrupp Materials NA

Cust. AVIBANK MFG INC

CstAr

Wgt.: 188.000 LB

Del.: 2402762072

CstOr 729445

Date 10/18/2013

John R. Zambetti

Order No: 3659184
Time 09:27:02



FRY STEEL COMPANY
Registered ISO 9001
13325 MOLETTE ST.
SANTA FE SPRINGS, CA 90670
(562) 802-2721

A08040
Cust. NO.: 749752
P.O. NO.:

CERTIFICATE OF COMPLIANCE

AVIBANK MFG INC
ATTN: ACCTS PAYABLE
P O BOX 9909
NORTH HOLLYWOOD CA 91609-1909

AVIBANK MFG
11500 SHERMAN WAY
***RECEIVING CLOSED 11:30-12**
NORTH HOLLYWOOD CA 91605-5827

10/04/13

QTY	-DESCRIPTION-	-ITEM CODE-	-HEAT NUMBER-
	CD 12L14 LEDLOY ASTMA 108 CHEM ONLY WHITE		
7	BARS 17/32"RD 12'RL	61310	AR294179
	BARS 5/8"RD 12'RL CUT 1 PC 15'FT REQD	61350	AR395409
	BAR 7/8"RD 12'RL CUT 1 PC 14'FT REQD	61460	AR395386
	✓ CF 2024 T4 AMS QQS 225/6 RED		
1	PC 3/16"RD CUT 72"LG CUT	84020	13051501-1
189	✓ BARS 5/16"RD 12'RL	84030	13M215 ✓
25	BARS 11/32"RD 12'RL	84033	9711060001

NOTICE

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EXCEPTIONS TO SPECIFICATIONS SHOULD BE SHOWN ON THE CERTIFICATION.

AUTOMATIC EXCEPTIONS TO THE SPECS LISTED ARE: LINE MARKING AND INSPECTION(I.E. MAG., SONIC,ETC.)

WE SUGGEST CONSULTING AN EXPERT ABOUT RELATED INSPECTION, PRIOR TO ALTERING THE MATERIAL FROM THE AS SHIPPED/RECEIVED
CONDITION. "DEFECT FREE" MATERIAL CAN NOT BE GUARANTEED WITHOUT PRIOR INSPECTION APPROPRIATE TO APPLICATION.

NO WELD REPAIR HAS BEEN PERFORMED AND THIS MATERIAL IS FREE FROM MERCURY AND RADIUM
CONTAMINATION AT TIME OF SHIPMENT

The willful recording of false, fictitious or fraudulent statements on this document may result as a felony under federal statutes.
*WHEN APPLICABLE

TO THE BEST OF OUR KNOWLEDGE MATERIAL IS CONFLICT MINERAL FREE --

MAIN LOT #

1434827

COMPONENT LOT #

KB30642

NAME

BUTTON

CLERK: GV NC DS

Q. C. Review

Sig. *Namaj*

Date 10/25/13

Lot# 1381674

Chip Sandoval
CHIP SANDOVAL - Q.C. MANAGER

5/16 RD

13 M 215

Aluminium Mill Certificate

Cert. No.: KAP628824

Customer: TUSKER INTERNATIONAL TRADING INC. FRY STEEL

Contract No.: US SM130929

Alloy Temper: 2024 T4

Container No.: CBHU5883403/20



Taishan City Kam Kiu Aluminium Extrusion Co. Ltd
Address: Daijiang County, Taishan, Guang Dong, China
Tel: (86) 7505438596 Fax: (86) 7505438173

✓ 2024-T4
Standards: QQA 225/6 REV E; AMS QQA 225/6 REV A; ASTM B 211 2012; AMS 4120 REV R

Shipment Date: Jul 28 2013

PO No: 47540 1K

Invoice No: M131492

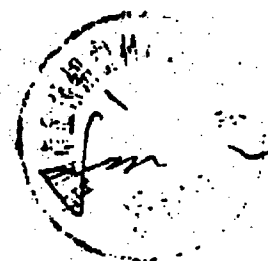
Container No: CBHU5883403/20				Shipment Date: Jul 28 2013												Tensile		Yield			
				2024 Chemical Composition (%)												Strength		Elongation			
Product Code	Die No	Specification	Heat No (Batch No.)	Cast No.	Si	Mg	Fe	Cu	Mn	Zn	Cr	Ti	Pb	Bi	Zr	Al	N/mm ²	ksi	N/mm ²	ksi	%
					0.50 max.	1.2-1.8	0.50 max.	3.8-4.9	0.30-0.9	0.25 max.	0.10 max.	0.15 max.	--	--	--	Rem.	425	62	310	45	10
64000	JB70381-1	DRAWN ROD	CFR 5/16	13M215	0.100	1.486	0.292	4.453	0.765	0.018	0.024	0.013	0.006			Rem.	557	81.0	523	76.0	11.8
64040	JB70381-2	DRAWN ROD	CFR 7/16	13M215	0.100	1.486	0.292	4.453	0.765	0.018	0.024	0.013	0.006			Rem.	481	70.0	423	61.0	10.8

Remark:

Kam Kiu Aluminium Group hereby certifies that metal shipped under the above mentioned PO No, Contract No, and Container No has been inspected and tested, and found in conformance with the applicable specifications forming a part of the description set forth in Kam Kiu's Sales Contract. This Mill Test Certificate complies to 3.1 EN 10204.

Made By:

Waley

Checked By:

FRY STEEL CO. CERTIFIES THAT THIS IS
A TRUE COPY OF THE ORIGINAL MILL TEST
REPORT NOW ON FILE
RECEIVED AND INSPECTED

AUG 23 2013

BY
G.C. MANAGER

Q. C. Review

Sig.

Date 19/25/13

Lot# 1381674

Level 18, The Gardens North Tower, Mid Valley City, Lingkaran Syed Putra, 59200 Kuala Lumpur, Malaysia
E-mail: info@kamkiu.com Web Page: www.kamkiu.com

CFR 5/16

CFR 7/16

K & L Anodizing Corporation
Certification

Order No.: 309003

Date: 01/24/2014

Entry Date: 01/10/2014

Page: 1 of 1

To:

Avibank Mfg. Inc.
11500 Sherman Way
P.o. Box 9909
North Hollywood CA 91609-1909

Purchase Order No.: 754503

Packing List No.:

Material: 2024-T4

301359

We are pleased to provide you with the following Certification. The item(s) described were finished and accepted in accordance with the stated specification
Nadcap Accredited

Quantity	Part Number / Part Name / Part Description	Pounds
5,010	73-4AB Rev. D Button	

Mil-A-8625 Rev.F Amend. 1 KLC 001 / KLC 0007
Anodize per Mil-A-8625 Rev. F Am. 1 Type II Class 2 Blue.
Mercury Contamination Free

Insp. Type	Scale	Minimum	Maximum	Number	Other
Customer Requirements:					
Visual					Sample or 100%

LSS# 200

Notice: All finishing completed by K & L Anodizing will carry a liability not to exceed the amount of the finishing charges for the work done on any material. The only exception shall be by written agreement signed by both parties.

CERT REVIEW

MAIN LOT #

1434827

COMPONENT LOT #

KB30642

NAME

BUTTON

CLERK: GV — NC — DS



Q. C. Review

Sig

Date

1/25/14

Lot # 1411650

Sharyn McGinity

Nadcap AS7003 #4908143853 10/31/2015
Nadcap AC7108 #4908153454 10/31/2014

Sharyn McGinity
K L Cert Department
K & L Anodizing Corp.

Gibbs Certificate of Analysis

Gibbs Wire & Steel Company, Inc. 3751 Olive Road, South Bend, Indiana 46628

AVIBANK MFG INC.
11500 SHERMAN WAY
NO. HOLLYWOOD CA 91605 USA

Description: 0.0180" P/M.0004 ✓
17-7 PH COND. C GIBBSCOTE STAINLESS STEEL

Date Shipped: 10/11/2013
Cust Order #: 749508
Amount Shipped: 27.00

Mill Coil ID:

Gibbs Coil ID:

Heat Number: 61118

Gibbs Number: 26806

To Certify that the material shipped against your above order number is in accordance with

Specification: ASTM A313-10 AMS 5678F ✓ TYPE 631

C: 0.0790 ✓	Mn: 0.8900 ✓	P: 0.0230 ✓	Sul: 0.0010 ✓
Si: 0.3400 ✓	Cr: 16.4500 ✓	Ni: 7.6800 ✓	Mo: 0.2400 ✓
Co:	Cu: 0.2100	N2:	Fe:
Ti:	Al: 0.9400 ✓	Be:	W:
Zn:	Sn:	Pb:	Cb:
Ta:	V:		

✓ PRE-HEAT

✓ POST-HEAT

	MIN	MAX	MIN	MAX
Tensile Strength:	304,000	304,000	352,000	355,000
Condition CH900:				

Mill Source/Rod Source: SUMIDEN

SWEDEN

Reduction of Area:

MATERIAL FREE FROM MERCURY CONTAMINATION
COILING & WRAP TEST GOOD CERT REVIEW
DFARS COMPLIANT

MAIN LOT #

1434827

COMPONENT LOT #

KB30540

NAME

SPRING

CLERK: GV NC ☒ DS

Alison Fink

Gibbs Wire & Steel Company, Inc.
Certification Clerk

Alison Fink

Q. C. Review

Sig. *Nancy*

Date 10/25/13

GWS #: 649612

Tel: (574)234-6071; Fax: (574)237-0712

Lot# 1384834

Warehouse 2: Parts Falling below a 6 Month Trend Quantity

Part No.	Description	Quantity	UOM
MS17987C410	PIN	48	Pcs

STOCK TRANSFER

WH 2